

WHAT IS CLAIMED IS:

1. A process for producing a fluoroalkanol of the following formula 1, characterized in that in a reaction of reacting an alkanol of the following formula 2 with a perfluoroolefin of the following formula 3 to produce a fluoroalkanol of the following formula 1, the reaction is carried out while continuously adding a radical initiator and a perfluoroolefin of the following formula 3:

$\text{CHR}^1\text{R}^2\text{-OH}$ Formula 2

$\text{CF}_2=\text{CFR}^3$ Formula 3

$\text{H-(CFR}^3\text{CF}_2)_n\text{-CR}^1\text{R}^2\text{-OH}$ Formula 1

provided that the symbols in the formulae have the following meanings:

R^1, R^2 : each independently a hydrogen atom or a C_{1-3} alkyl group,

R^3 : a fluorine atom or a C_{1-4} perfluoroalkyl group, and

n : an integer of from 1 to 4.

2. The process according to Claim 1, wherein n is 1.

3. The process according to Claim 1, wherein the radical initiator is a dialkyl peroxide.

4. The process according to Claim 1, wherein the alkanol of the formula 2 is methanol or ethanol.

5. The process according to Claim 1, wherein the perfluoroolefin of the formula 3 is tetrafluoroethylene or hexafluoropropylene.

6. The process according to Claim 1, wherein the

reaction is carried out in the absence of any acid binding agent.

7. Use of a fluoroalkanol obtained by the process as defined in Claim 1 in the production of an information
5 recording medium having a recording layer capable of writing in and reading out information by a laser, formed on a substrate.

8. An information recording medium having a recording
layer capable of writing in and reading out information
10 by a laser, formed on a substrate, which is produced by using a fluoroalkanol obtained by the process as defined in Claim 1.

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